

09/832131
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June 19, 2006

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Art Unit 2655

Attn: Mail Stop COC

Re: U.S. Utility Patent
Patent No. 6,980,951 B2; Issued: December 27, 2005
For: **Noise Feedback Coding Method And System For Performing General
Searching Of Vector Quantization Codevectors Used For Coding A
Speech Signal**
Inventor: Juin-Hwey CHEN
Our Ref: 1875.0250003

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Request for Certificate of Correction Under 37 C.F.R. § 1.322;
2. Certificate of Correction Form PTO/SB/44; and
3. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Certificate
JUN 21 2006
of Correction

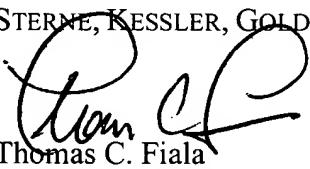
JUN 23 2006

Commissioner for Patents
June 19, 2006
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Thomas C. Fiala
Attorney for Patentee
Registration No. 43,610

TCF/mjg
Enclosures

6/19/06 2:30 2006



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of:

Juin-Hwey CHEN

Patent. No.: 6,980,951 B2

Issued: December 27, 2005

For: **Noise Feedback Coding Method
And System For Performing
General Searching Of Vector
Quantization Codevectors Used For
Coding A Speech Signal**

Confirmation No.: 1569

Art Unit: 2655

Examiner: Brian Louis Albertalli

Atty. Docket: 1875.0250003

**Request for Certificate of Correction
Under 37 C.F.R. § 1.322**

Attn: Certificate of Correction Branch

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

It is hereby requested that a Certificate of Correction under 37 C.F.R. § 1.322 be issued for the above-captioned United States Patent. This Certificate of Correction is being requested due to mistakes which appear in the printed patent. These mistakes were made by the U.S. Patent and Trademark Office.

Specifically, the printed patent contains the following errors for which a Certificate of Correction is respectfully requested:

- In the specification, column 10, line 64, the text " $f_i = \alpha^i a_i$," should be replaced with $-- f_i = a^i a_i --$. Support for this correction can be found in the original specification, paragraph [0068].
- In the specification, column 24, line 29, the text " $i a_i = \gamma^i \hat{a}_i$ " should be replaced with $-- i a_i = \gamma^i \hat{a}_i --$. Support for this correction can be found in the original specification, paragraph [0150].

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- In the specification, column 24, line 32, the text " $\{a_i\}$ " should be replaced with $\{a_i\}$. Support for this correction can be found in the original specification, paragraph [0151].
- In the specification, column 24, line 33, the text " $\{l_i\}$ " should be replaced with $\{l_i\}$. Support for this correction can be found in the original specification, paragraph [0151].
- In the specification, column 24, line 55, the entire formula shown should be deleted and replaced with

$$w_i = \begin{cases} 1/(l_2 - l_i), & i = 1 \\ 1/\min(l_i - l_{i-1}, l_{i+1} - l_i), & 1 < i < M \\ 1/(l_M - l_{M-1}), & i = M \end{cases}$$

Support for this correction can be found in the original specification, paragraph [0153].

- In the specification, column 25, line 51, the text " $\{\tilde{l}_i\}$ " should be replaced with $\{\tilde{l}_i\}$. Support for this correction can be found in the original specification, paragraph [0160].
- In the specification, column 25, line 53, the text " $\{\tilde{l}_i\}$ " should be replaced with $\{\tilde{l}_i\}$. Support for this correction can be found in the original specification, paragraph [0161].
- In the specification, column 25, line 66, the text " l'_i " should be replaced with $\{l'_i\}$. Support for this correction can be found in the original specification, paragraph [0162].
- In the specification, column 25, line 67, the text " $\{\tilde{a}_i\}$ " should be replaced with $\{\tilde{a}_i\}$. Support for this correction can be found in the original specification, paragraph [0162].
- In the specification, column 26, line 3, the text " $\{\tilde{a}_i\}$ " should be replaced with $\{\tilde{a}_i\}$. Support for this correction can be found in the original specification, paragraph [0162].
- In the specification, column 26, line 6, the text " $\{\tilde{a}_i\}$ " should be replaced with $\{\tilde{a}_i\}$. Support for this correction can be found in the original specification, paragraph [0163].
- In the specification, column 26, line 10, the entire formula should be replaced with

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$$-- a'_i = \gamma_1^i \tilde{a}_i \quad , \text{ for } i = 0, 1, 2, \dots, M. --$$

Support for this correction can be found in the original specification, paragraph [0163].

- In the specification, column 26, line 11, the text " $\{ a'_1 \}$ " should be replaced with $-- \{ a'_i \} --$. Support for this correction can be found in the original specification paragraph [164].
- In the specification column 41, line 65, the entire formula should be deleted and replaced with $-- d_j(n) = \|q(n)\|^2 = \|qzi(n) - g(n)\mathbf{H}(n)y_j\|^2 --$. Support for this correction can be found in the original specification, paragraph [0268].

Remarks

The above-noted corrections do not involve such changes in the patent as would constitute new matter or would require reexamination.

A completed Form PTO/SB/44 accompanies this request, with the above-noted corrections printed thereon. Accordingly, a Certificate of Correction is believed proper and issuance thereof is respectfully requested.

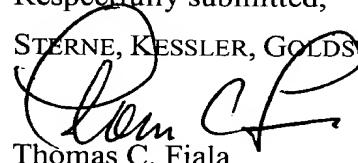
2000

Juin-Hwey CHEN
Patent. No. 6,980,951 B2

The Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.


Thomas C. Fiala
Attorney for Patentee
Registration No. 43,610

Date: 6/19/06
1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO: 6,980,951 B2

DATED: December 27, 2005

INVENTOR(S): Juin-Hwey CHEN

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

In the specification, column 10, line 64, the text " $f_1 = \alpha^1 a_1$ " should be replaced with
 $-- f_i = a^i a_i --$.

In the specification, column 24, line 29, the text " $i a_1 = \gamma^1 \hat{a}_1$ " should be replaced with $-- i a_i = \gamma^i \hat{a}_i --$.

In the specification, column 24, line 32, the text " $\{a_1\}$ " should be replaced with $-- \{a_i\} --$.

In the specification, column 24, line 33, the text " $\{l_1\}$ " should be replaced with $-- \{l_i\} --$.

In the specification, column 24, line 55, the entire formula shown should be deleted and replaced with

$$-- w_i = \begin{cases} 1/(l_2 - l_i), & i = 1 \\ 1/\min(l_i - l_{i-1}, l_{i+1} - l_i), & 1 < i < M \\ 1/(l_M - l_{M-1}), & i = M \end{cases} --$$

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Thomas C. Fiala
 1100 New York Avenue, NW
 Washington DC 20005-3934
 Atty. Dkt. No. 1875.0250003

This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

2005

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 2 of 2

PATENT NO: 6,980,951 B2

DATED: December 27, 2005

INVENTOR(S): Juin-Hwey CHEN

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

In the specification, column 25, line 51, the text " $\{\tilde{l}_i\}$ " should be replaced with $--\{\tilde{l}_i\}--$.

In the specification, column 25, line 53, the text " $\{\tilde{l}_i\}$ " should be replaced with $--\{\tilde{l}_i\}--$.

In the specification, column 25, line 66, the text " l'_i " should be replaced with $--\{l'_i\}--$.

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In the specification, column 26, line 6, the text " $\{\tilde{a}_i\}$ " should be replaced with $--\{\tilde{a}_i\}--$.

In the specification, column 26, line 10, the entire formula should be replaced with

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In the specification, column 26, line 11, the text " $\{a'_i\}$ " should be replaced with $--\{a'_i\}--$.

In the specification column 41, line 65, the entire formula should be deleted and replaced with

$--d_j(n) = \|q(n)\|^2 = \|qzi(n) - g(n)\mathbf{H}(n)y_j\|^2--$

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